

Abstract

Methods and systems in which output descriptions are generated in response to input descriptions are disclosed. The input descriptions and output descriptions are displayed together so that the users can visually compare the input descriptions and corresponding
5 output descriptions. Users are able to trace output descriptions generated from corresponding input descriptions and to trace input descriptions from which corresponding output descriptions are generated. For example, if one of the input descriptions and output descriptions is scrolled, the other descriptions may be automatically scrolled. In addition, if a
10 cursor is provided in one of the input descriptions and output descriptions, another cursor may be automatically provided in the other descriptions. Furthermore, if a segment is selected in one of the input descriptions and output descriptions, a corresponding segment is automatically selected in the other descriptions.